

## *Innovative transducer products*

# **New TorXimitor® Transducer engineered for increased component life**

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**I**dentifying machine performance at varying operating loads and speeds allows you to run machinery at maximum efficiency. Torque measurement enables you to compare actual machine operation to design criteria and to identify the rotating system's dynamic torque characteristics. Machine performance can then be checked for compliance to specifications under steady state and transient conditions at test stands, OEM shops, and on-site, after machine installation.

### **Reliable indication of torque, speed and power**

Bently Nevada is proud to introduce the TorXimitor®, a new torque transducer, which represents a unique design in torque measuring devices. Similar to the original TorXimitor®, it is a noncontacting, strain-gauge-based torque measuring transducer. The main difference between the original system and the new system is that the rotating electronics receives power via an inductive power transmission technique which eliminates the need for infrared LEDs and photovoltaic cells.

This patented technique transfers reliable torque, speed and power indications from a rotating shaft under actual machine operating conditions. By using the existing coupling or spool

piece, the technique requires no mechanical modifications or specially-machined spool pieces and spacers.

The new TorXimitor®'s inductive power transmission method means:

- Extended temperature range to 257°F (125°C)
- Availability of hazardous area approvals
- Smaller size for easier installation
- Increased component life

- More tolerant of dirty or oily environments

The TorXimitor®, transducer is used with the Bently Nevada 3300/85 Torque Indicator, providing a +1 to +5 Vdc output proportional to the selected full-scale. This also allows convenient connection to other auxiliary devices, such as an analog recorder. For more information, contact your nearest Bently Nevada sales representative. ■

